

Flowfresh SR (9mm)

A heavy duty, gloss finish, hygienic antimicrobial polyurethane resin floor system offering a textured anti-slip, chemical resistant finish.

Typically used in heavy duty wet processing areas or food preparation zones.



Antimicrobial:

Contains Polygiene® additive that kills up to 99.9% bacteria.



Temperature Resistant:

Resistant to temperatures from -15°C up to 90°C.



HACCP Certified:

HACCP Internationally certified polyurethane flooring system.



Slip Resistant:

Impressive anti-slip profile in dry and wet conditions.



Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1

| | |
|-------------|----------------------|
| CHF Value | 10 kW/m ² |
| Smoke Value | 69% (Mean) |

SLIP RESISTANCE

| | |
|---------------------------------|---|
| Method described in AS4586-2013 | Dry & Wet Rating is dependant on specification (in accordance with AS4586-2013) |
|---------------------------------|---|

The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry).

Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details

IMPACT RESISTANCE

| | |
|-------------|------|
| EN ISO 6272 | 15Nm |
|-------------|------|

TEMPERATURE RESISTANCE

From -40°C to 120°C

WATER PERMEABILITY

| | |
|--------------|-------------------|
| Karsten Test | Nil (impermeable) |
|--------------|-------------------|

VAPOUR PERMEABILITY

| | |
|-------------|---|
| ASTM E96:90 | 3g/m ² /24hrs (at 9mm thick) |
|-------------|---|

ABRASION RESISTANCE

| | |
|---------------|---|
| Taber Abrader | 0.1g loss per 1000 cycles (1kg using CS17 wheels) |
|---------------|---|

COMPRESSIVE STRENGTH

| | |
|------------|----------------------|
| EN 13892-2 | >50N/mm ² |
|------------|----------------------|

FLEXURAL STRENGTH

| | |
|-----------|------------------------|
| EN13892-2 | > 20 N/mm ² |
|-----------|------------------------|

TENSILE STRENGTH

| | |
|--------|---------------------|
| BS6319 | 7 N/mm ² |
|--------|---------------------|

BOND STRENGTH

| | |
|----------------------------|----------|
| ASTM D4541 (Pull-Off Test) | > 1.5MPa |
|----------------------------|----------|

TOXICITY

Taint Free to sensitive foodstuffs (when cured).

| SPEED OF CURE* | 10°C | 20°C | 30°C |
|--------------------|---------|--------|--------|
| Light Traffic | 36 hrs | 24 hrs | 12 hrs |
| Full Traffic | 72 hrs | 48 hrs | 24 hrs |
| Full Chemical Cure | 10 days | 7 days | 6 days |



Rich Cream



Warm Buff



Tile Red



Clay



Pewter Grey



MF Green



Ash Grey



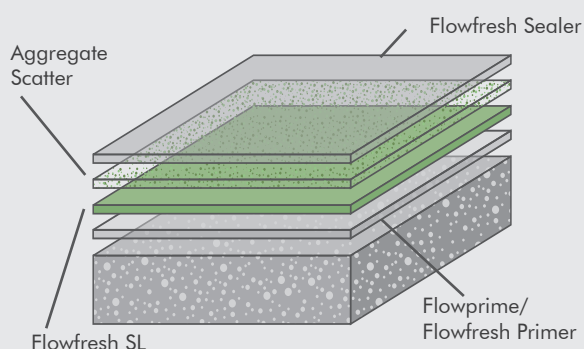
Blue

Model Specification

| | |
|--------------------|--------------------|
| System | Flowfresh SR |
| Finish | Gloss |
| Thickness | 9mm |
| Distributor | Altex Coatings Ltd |
| Contact | +64 7 541 1211 |

Preparatory work and application in accordance with manufacturer's instructions.

System Design



Products Included In This System

| | |
|----------------|---|
| Layer 1 | Flowprime / Flowfresh Primer *Only If Required |
| Layer 2 | Flowfresh SL |
| | Aggregate Scatter |
| Layer 3 | Flowfresh Sealer |

Coving

Coving can form an integral part of the flooring system. It creates a sealed finish between the floor and wall joint. Please refer to Flowtex F1 Coving Mortar for further information.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. Substrate should be dry to 95% RH as per ASTM F2170 (AS1884:2012).

Installation Service

The installation should be carried out by a qualified contractor with a documented quality assurance scheme. For details of our recommended contractors, contact your local Flowcrete office. Detailed application instructions are available upon request.

Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture of the products by Flowcrete staff.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent. Please refer to Flowcrete's Cleaning & Maintenance Guide for further information.

Warranty

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Method Statement

| | |
|----------------------|------------------|
| System | Flowfresh SR |
| Specification | 9mm Gloss Finish |

This specification assumes a concrete compressive strength greater than 25 N/mm², application and curing temperatures of 10–35°C, the presence of an effective damp proof membrane below substrate and concrete moisture content less than 95% RH. If moisture content is above 95% RH, please contact Altex Coatings Ltd.

This specification must be read in conjunction with relevant product technical data sheets and the application of all materials is to be strictly in accordance with manufacturer’s instructions.

| | |
|--------------------|--------------------------|
| Distributor | Altex Coatings Ltd |
| Telephone | +64 7 541 1211 |
| Email | newzealand@flowcrete.com |

Outline for Installation

| | |
|--|---------------------------|
| Mechanically Prepare Substrate | |
| Apply Flowprime/Flowfresh Primer | @ 0.2-.4kg/m ² |
| *Primer only if required for porous substrates. | |
| Apply Flowfresh SL | @ 13.3kg/m ² |
| Full Broadcast Quartz Scatter | @ 3kg/m ² |
| Apply Flowfresh Sealer | @ 0.55kg/m ² |

Storage

12 months in an unopened packaging stored at a temperatures of 5-40°C.

Protect from frost, weather, moisture and contaminant ingress.

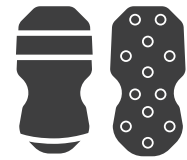
Application Equipment

The use of correct application equipment is critical as incorrect application tools can result in poor finishing and incorrect material consumption. Always test the application equipment prior to commencing work.

The following equipment is recommended for this application.



10-12mm Nap Roller Cover - Lambswool
*Rolana or Equivalent



Spike Shoes



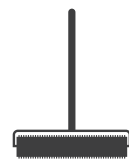
Slow Speed Drill with Helical Mixer Head



Squeegee



Pin Rake



Spike Roller



Steel Trowel

Safety Precautions

Wear appropriate Personal Protective Equipment (PPE) including masks, gloves, eye protection and protective clothing during mixing and application. Ensure the working area is well ventilated and follow the appropriate Health and Safety guidelines applicable to the location where the application is undertaken.

Material Set-Up

Before commencing work ensure that your material is set-up by separating all components (e.g. Base A, Hardener B, Filler C etc.) to ensure that all material is correct. Check product labels and ensure there are equal amounts of product.

Site Set-Up

Before commencing work ensure that your site is set-up. Mark the floor according to the specification with masking tape or similar to clearly identify what area (m²) each unit will cover. If this is not achieved (greater or less consumption than the specified amount) immediately stop and contact Flowcrete.

Surface Preparation

Surface preparation is to be completed by totally enclosed (light shot blasting) or coarse diamond grinding. All cementitious laitance must be removed to expose a sound substrate and provide a dry, dust free, open textured surface. All hard to reach areas and areas around the perimeter must be prepared using hand held preparation equipment.

Any damaged areas must be repaired with Flowtex F1 mortar. Consult Flowcrete prior to using an alternative repair mortar. Any rough or uneven areas must be made smooth with Flowcoat SC (Universal Resin Base A, Universal Hardener B, Sand/Flour). Consult Flowcrete prior to using an alternative epoxy scratch coat.

Application of Flowprime/Flowfresh Primer

The substrate must be surface dry before the application of either Flowprime or Flowfresh Primer.

1.A Mixing Flowprime

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs, however, if required this must be completed by weight using digital scales.

Stir Base A to re-disperse any settlement. Add Hardener B to the Base A container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 1 minute, taking care not to entrain air. Transfer to a clean container and remix for 30 seconds.

1.B Mixing Flowfresh Primer

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs.

Stir Base A to re-disperse any settlement. Add Filler C to Base A and mix until uniform. Add Hardener B to the Base A container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air.

2. Application

Immediately after mixing, apply the either the Flowprime or Flowfresh Primer by squeegee and/or roller.

Application of Flowfresh SL

The substrate must be surface dry before the application of Flowfresh SL. Flowfresh SL must be applied within 24 hours following the application of Flowprime or Flowfresh Primer.

1. Mixing

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs, however, if supplied in bulk packaging this must be completed by weight using digital scales.

Stir Base A to re-disperse any settlement. Add Pigment and mix until uniform. Transfer to a mixing container. Add Hardener B to the mixing container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add Filler C and add additional 2kg of 18/40 Silica Sand and 5kg of 16/30 Silica Sand to mixing container and mix until uniform, approximately 60 seconds.

2. Application

Immediately after mixing, apply the Flowfresh SL by pin rake to the required thickness and finish with a steel trowel. Immediately after application spike roll the surface to assist with levelling the material and to release any entrapped air. Late spike rolling of the material can result in surface defects. Within 10 - 15 minutes (at 20°C) fully broadcast the surface to refusal with the non slip aggregate.

Application of Flowfresh Sealer

The substrate must be surface dry before the application of Flowfresh Sealer. Flowfresh Sealer must be applied within 24 hours following the application of Flowfresh SL.

1. Mixing

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs.

Stir Base A to re-disperse any settlement. Then add pigment and mix until uniform. Add Hardener B to the Base A container, and drain thoroughly.

Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add between 2 - 7% (depending on conditions) Xylene and mix for a further 30 seconds.

2. Application

Immediately after mixing, apply Flowfresh Sealer by squeegee and roller.

Trafficking

Allow to cure for a minimum of 24 hours at temperatures no less than 10°C before light trafficking.

Note

When printed or saved externally, this document is uncontrolled and therefore may not be the latest version. Any recommendation or suggestion relating to the use of the products made by Flowcrete., whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.

Additional Notes

1. Maximum overcoat time is 24 hours.
2. The product is fully hardened after 5–7 days.
3. The applied colours may differ from the examples shown.
4. Flowcrete assumes no responsibility for the application of incorrect colour.
5. This system is not UV stable and will discolour unless otherwise stated.
6. Do not cover or wash within the first 24 hours of curing.
7. This system should be installed at 3°C above the dew point.
8. Please ensure application temperature and RH limits are followed.
9. Wind or strong airflow may cause quick curing and drying of the system.
10. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
11. Direct heat during application of the system can cause flash curing and potential delamination. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.